



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	U87 CD4+ Clone 2 Cells
Catalog Number:	2187
Lot Number:	97025
Release Category:	B
Provided:	2 x 10 ⁶ cells/vial.
Cell Type:	Human astrogloma cells. Morphology is epithelial-like.
Propagation Medium:	DMEM, 90%; fetal or newborn bovine serum, 10%.
Freeze Medium:	Propagation medium, 40%; fetal bovine serum, 50%; DMSO, 10%.
Morphology:	Morphology is epithelial-like.
Sterility:	Negative for Bacteria, fungi, and mycoplasma.
Description:	U87MG cells that express high levels of CD4 and are permissive to infection by HIV-2 and SIV, but not HIV-1.
Special Characteristics:	Parental U87MG cells were transformed with a retroviral vector containing human CD4 and neomycin resistance genes.
Contributor:	Dr. Bruce Chesebro. Distributed with the permission of Dr. Jan Ponten, University and Hospital of Upsala, Sweden.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References:

Dragic T, Alizon M. Different requirements for membrane fusion mediated by the envelopes of human immunodeficiency virus types 1 and 2. *J Virol* **67**:2355-2359, 1993.

Chesebro B, Buller R, Portis J, Wehrly K. Failure of human immunodeficiency virus entry and infection in CD4-positive human brain and skin cells. *J Virol* **64**:215-221, 1990.

Ponten J, MacIntyre EH. Long-term culture of normal and neoplastic human glia. *Acta Pathol Microbiol* **74**:465-486, 1968.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: U87 CD4+ Cells (Clone 2) from Dr. Bruce Chesebro." Also include the reference cited above in any publications.

Last Updated

July 02, 2018

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.